M. A. R. 57 (Rule 116)
Measurement Book

No. B

426830

Serial No. 1st and final Bill

Name of Work ..... From ..... To .....

Name of Contractor of nature of Agency M/s. M.L. Dhanagaya Shesadripuram, Bangalore-20

Date of commencement of work D.O. Recording : 18-03-2021

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of work : Improvements to Roads of drains at Ex. thanisandra IEIC Ward, Surrounding area Roads in Ward no.06, Thanisandra, Byatarayapura Sub-Division						
	Estimated cost Rs : 100.00 Lakhs						
	Job no. 006-21-000014 - Indent no. 44679						
	Head of a/c P-3375 (Ep, Strengthening development works in N'bore City)						
	Date of commencement						
	Work order no : BE/Exp/E.Engg/100/Imp/2020-21 Dt : 10.12.2020						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Date of completion = 18.03.2024						
1)	Earthwork Excavation by manual means for roads, drains, and diversion works in ordinary soil, Excavated surface levelled of sides neatly dressed, the disposed Earth to be levelled neatly after breaking of clods complete as per specification.						
		qty vide	E.B.No.	Pg No.			
		= 1015.52 m³	@ 217.94/m³			Rs	221340.-
2)	Providing and laying plain Cement Concrete of mix 1:3:6						

M. A. R. 57 (Rule 116)
Measurement Book

No. B 426831

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	With OPC cement @ 220 kgs/m³ by crushed hard and sound stone grade granite metal coarse aggregate @ 0.8 m³ and fine aggregate @ 0.4 m³, in foundation mechanically mixed, placed in foundation and compacted by vibrators including curing for 14 days including costs materials, labour, form curing for work, dewatering and curing complete as per specifications, and directions of Engineer-in-charge of work.						
		qty vide	E.B.No.	Pg No.		Rs	1781148.-
		= 312.90	@ 5692.45/m³				

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MEASUREMENT BOOK

M. A. R. 57 (Rule 116)
Measurement Book

No. B 42683.2

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
3)	Providing laying plain cement concrete for side drains using M.20 nominal mix concrete with ogc at 300kg, with 20mm and down size granite metal coarse aggregate of 0.69 y^3 and fine aggregate of 0.49 y^3 machine mixed, well compacted for wall and bottom, including centring, shuttering cutting method, Well compacted for wall and bottom, including centring, shuttering Costing method. etc complete as per specification.						
		Qty vide	P. Bill. Item No. (3)				Rs
		P. No	= 347.06 m^3 @ 7423/m^3				2576224/-
4)	providing and laying pre-cast covering slab made out of						

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Work including straightening, cutting, bending, hooking, placing in position, lapping and or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design. Costing method, Labour Hamy machinery complete as per specifications.						
		Qty vide	P. Bill. Item No. (4)				Rs = 1473074.-/-
		P. No	= 21.37 tonne @ 68292.34/ton.				
5)	Providing and laying pre-cast covering slab made out of						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	C.C. 1:2:4 and jelly, 20mm down size with steel reinforcement including form work, curing, including cost of Materials, labour, hire charges of machinery, loading unloading, lead and lifts, transportation etc complete as per specification.						
		Qty vide P.B.No. 4, Pg. No. (6)				Rs 1567716-	
		= 638.94 m² @ 2453.62/m²					
6)	Providing and laying pre-cast covering slab 250mm thick made out of C.C. 1:2:4 and jelly - 20mm down size with steel reinforcement including form work, including costing						

M. A. R. 57 (Rule 116)
Measurement Book

No. B 426833

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	costing all materials, labour, hire charges of machinery, loading unloading, lead and lifts charges etc complete as per specifications and direction of Engineer-in-charge of work.						
		Qty vide P.B. No. 11, Pg No. (6)				Rs	
		P.No = 79.38 m² @ 5686/m²					451355.00
7)	Excavation for Road work in all types of soil by mechanical means including cutting and loading to						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	toppers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross-sections, and transportation with a lead of 1 miles and Complete as per specifications and directions of Engineer-in-charge.						
		qty vide R.Bill Item (7)				Rs	
		P.no		48685 m^2	@ 59.07/m^2		28758.-
8)	Compacting of original ground by mechanical means including filling in depressions occurring during Rolling including cost of all labour, item complete as per specification and direction of Engineer-in-charge of work.						

M. A. R. 57 (Rule 116)
Measurement Book

No. B 426831

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
		qty vide R.Bill, Item (8)					
		P.no		1081.85 m^2	@ 6.68/m^2	Rs.	7227.-
9)	Construction of granular Sub-base grading as sub base and drainage layer by providing coarse graded crushed stone aggregate of granite/trap/basalt material, mixing in a mechanical mix plant at one, Carriage of mixed material to work site, spreading in uniform						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Layers with motor grader on prepared surface and compacting with vibratory roller. Roller to achieve 98% proctor density, Complete as per specifications and direction of Engineer-in-Charge.						
		Qty vide E. Bill It no (3) p.no.					
		,	164.84m³ @ 2094.47/- Rs			345504.10	
10)	Cement Concrete pavement: Construction of un-reinforced plain cement concrete for pavement, using a grade Concrete M.30 over a prepared bade with type Coarse aggregate @ 0.69m³, fine aggregate @ 0.46m³ Coarse and						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

426835

rial No. .....
me of Work ..... From..... To.....
me of Contractor of nature of Agency .....
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ate	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	fine aggregate conforming to IS: 383-2016 with super-plasticizer @ 3% conforming to IS-9103-2000 mixed in a Concrete mixer of not less than 0.60m³ Capacity and appropriate weigh batcher as per approved mix design laid in approved bade form work and spreading the concrete shovels, rackers, compact of using needle forced and plate vibrator and finished with plaster in a Continuous operation including provision of Contractor						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Expansion, longitudinal joint sealant, admixtures as approved, Curing compound, finishing to the lines and grades, texturing with texturing machine and curing including cost of all Materials, labours, hire-charges of machineries all lead and lift charges etc complete.						
	Qty vide P.no	E.Bill			Item No.	Rs.	3455.00
		= 164.31				@ 5470.99/43	20495.00
					Total - Rs		93,54,866.00
		Add	GST @ 12% =				11,22,584.00
					Grand Total Rs.		1,04,77,450.00

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 426836

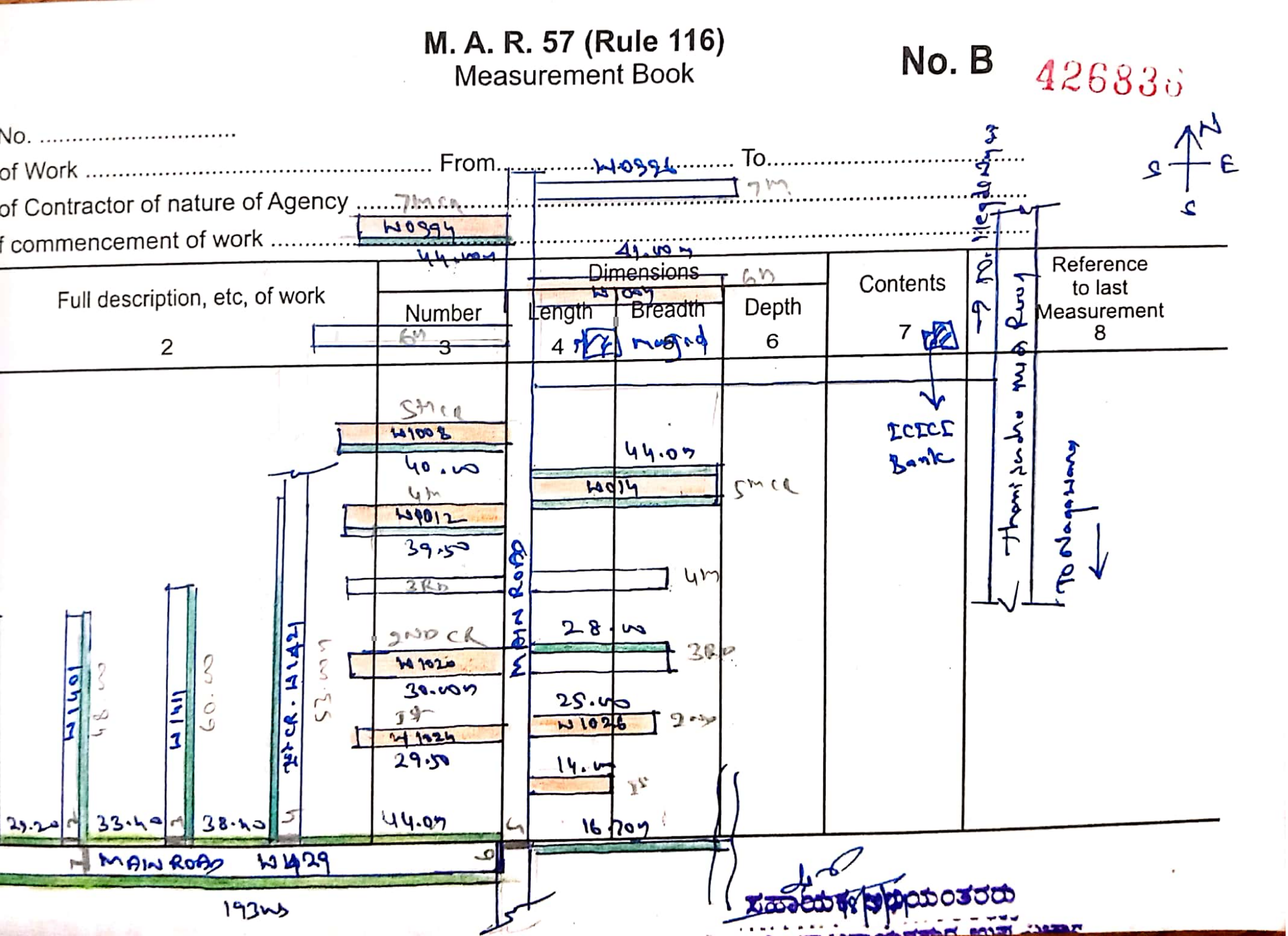
No. .....

of Work ..... From..... To.....

of Contractor of nature of Agency .....

f commencement of work .....

Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
2	3	4		6	7	8



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